**Informatics Unit 4**

**SAT – Criteria 5**

**Skills in generating design ideas and designing preferred solutions**

* **1 Criteria to evaluate the design idea**

**9-10: “**Specifies a coherent and comprehensive set of **criteria** for selecting the **preferred design idea** and **evaluating the effectiveness of the multimodal online solution**”

* Focus is on appearance & functionality.
* Refer to solution requirements (specifically Criteria 6 & 7). Note need for appropriate use of specified software functions, formats & conventions.

(see p 219 for list of criteria for choosing best design idea)

List criteria:

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* **Criteria to evaluate the effectiveness of the MMOS**
* Focus is on effectiveness of the MMOS.
* Refer to what constitutes an effective MMOS (p 186 of text book) and p 218, evaluating design ideas

List criteria:

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**2 Generating design ideas**

**9-10: “**Generates **two or three** distinctive design ideas that are clearly feasible in their representations of the solution’s functionality and appearance”.

* Need to produce two or three.
* Focus is on appearance and functionality.
* Create a standard template of a page using a layout diagram.
* Create a sitemap to show relationship between the content.

**3 Select a preferred design idea**

**9-10: “**Selects a preferred design idea for further development based on a complete set of criteria relevant to all the solution requirements.”

* Focus on criteria chosen at start.

Explanation of choice of design idea:

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**4 Select a set of relevant design tools**

**9-10:** “Selects and applies a set of relevant and complementary design tools appropriate to documenting all the solution requirements.”

* Refer to p 220 on and select appropriate ones for your task.
* This needs to cover **all** areas of the solution, including content to be placed in the MMOS.

**5 Create a detailed design for the MMOS**

**9-10 “**Applies consistently and appropriately all relevant design principles. Designs are detailed and fully demonstrate the required functionality and appearance of the solution. All solution requirements are expressed in the designs.”

* Use the design tools selected above.
* Focus on appearance and functionality.
* This needs to cover **all** areas of the solution, including content to be placed in the MMOS (eg: data visualisations, animations, video, images etc. See multimodal authoring p 231).
* Important to refer to design principles (p 204-209).